

METHOD AND APPARATUS FOR STABILIZING CONTAMINATED SOIL/WASTE

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Abstract of JP2004167374

PROBLEM TO BE SOLVED: To surely stabilize various kinds of contaminated soil or/and single or combined waste in a short period of time independently of a season and a location.

SOLUTION: In a stabilization method, a lime material and/or a silica material are added to contaminated soil or/and at least either waste among combustion ash and sludge resulted from paper-making sludge, wood chip, organic sludge, trash and coal and amount of CaO is adjusted to 2.5 to 35 weight % and the amount of SiO₂<SB>-2</SB> is adjusted to 25 to 65 weight %. Kneading with water in which a reducing material of 0.25 to 15 weight % to the contaminated soil or/and the waste is dissolved, is executed in a kneading machine 10 to give the mixture a funicular state. Then steam treatment at 40 to 100[deg.]C for 0.5 to 24 hours in a steam treatment machine 12 gives a stable treated material.

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